

**Biomarkers for Tobacco Exposure:  
Application to Clinical and Epidemiological Studies**

October 25-26, 2001

Crowne Plaza Northstar Hotel, Minneapolis, MN  
(612) 338-2288

**Thursday, October 25**

7:30 REGISTRATION AND CONTINENTAL BUFFET BREAKFAST

8:30 *INTRODUCTORY REMARKS*  
Paul R. Pentel, MD

ABSTRACT *MODERATOR*  
PAGE NO. Paul R. Pentel, MD

✓ -1- 8:45 *OVERVIEW OF BIOMARKERS FOR TOBACCO EXPOSURE*  
Mitch Zeller, JD *American Legacy Foundation*

✓ -4- 9:20 *NICOTINE AND ITS METABOLITES*  
Neal L. Benowitz, MD

✓ -5- <sup>11:00</sup> 9:55 *MINOR TOBACCO ALKALOIDS AS BIOMARKERS OF TOBACCO EXPOSURE*  
Peyton Jacob III, PhD

10:30 REFRESHMENTS AND POSTER SESSION

*MODERATOR*  
Deborah Hennrikus, PhD

✓ -36- <sup>11:55</sup> 11:00 *MEASUREMENT OF ENVIRONMENTAL TOBACCO EXPOSURE*  
S. Katharine Hammond, PhD

✓ -48- 11:35 *EPIDEMIOLOGY OF EXPOSURE REDUCTION*  
David M. Burns, MD

12:10 BUFFET LUNCH

*MODERATOR*  
Stephen S. Hecht, PhD

✓ -58- 1:15 *CARCINOGENS I: URINARY BIOMARKERS OF CARCINOGEN UPTAKE*  
Stephen S. Hecht, PhD

-59- 1:50 *CARCINOGENS II: HEMOGLOBIN ADDUCTS AS  
BIOMARKERS OF CARCINOGEN UPTAKE*  
Paul L. Skipper, PhD

2:25 REFRESHMENTS AND POSTER SESSION

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- 66- 2:40 *CARCINOGENS III: GENETIC POLYMORPHISMS:  
RELATIONSHIP TO CARCINOGENESIS*  
Peter G. Shields, MD
- 67- 3:15 *CARCINOGENS IV: HISTOLOGIC BIOMARKERS OF CARCINOGEN EXPOSURE*  
William Rom, MD, MPH
- 80- 3:50 *BIOMARKERS OF TOBACCO RELATED PULMONAARY DISEASE*  
Stephen I. Rennard, MD
- 4:15 *DISCUSSANT*  
Dietrich Hoffmann, PhD
- 4:30 RECEPTION

### Friday October 26

- 7:30 Continental BREAKFAST BUFFET  
*MODERATOR*  
Anne Joseph, MD, MPH
- 81- 8:30 *CARDIOVASCULAR DISEASE I: MECHANISMS*  
Neal L. Benowitz, MD
- 84- 9:05 *CARDIOVASCULAR DISEASE II: CLINICAL MARKERS*  
Edward O. McFalls, MD, PhD
- 87- 9:40 *BIOMARKERS OF FETAL EFFECTS OF TOBACCO*  
Cheryl Oncken, MD, MPH
- 10:15 REFRESHMENTS  
*MODERATOR*  
Dorothy Hatsukami, PhD
- 97- 10:30 *NEW NICOTINE DELIVERY DEVICES:  
ASSESSMENT USING BIOMARKERS*  
Jack E. Henningfield, PhD
- 11:05 *PANEL DISCUSSION*  
*BIOMARKERS FOR THE ASSESSMENT OF CIGARETTES*  
Neal L. Benowitz, MD, Jack E. Henningfield, PhD,  
Dietrich Hoffmann, PhD, Mitch Zeller, JD
- 11:40 *CLOSING REMARKS*  
Dorothy Hatsukami, PhD
- 11:50 *ADJOURNMENT*

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